

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): Multilayer structure based on polyamides and graft copolymers having polyamide blocks, comprising, in this order:

a) a first layer (1) formed from a polyamide (A) or else a polyamide (A)/polyolefin (B) blend having a polyamide matrix;

b) optionally, a tie layer (2a);

c) a layer (2) based on a graft copolymer having polyamide blocks, formed from a polyolefin backbone and from at least one polyamide graft in which:

- the grafts are attached to the backbone by the residues of an unsaturated monomer (X) having a functional group capable of reacting with a polyamide having an amine end group;
- the residues of the unsaturated monomer (X) are attached to the backbone by grafting or copolymerization via its double bond;

the layers (1), (2a) and (2) being successive and adhering to one another in their respective contact region.

Claim 2 (currently amended): Structure according to Claim 1, further comprising a polyamide or a polyolefin layer (3), ~~this layer being placed beside~~ superposed on the layer (2) and an optional tie layer (3a) being placed between the layer (2) and the layer (3).

Claim 3 (currently amended): Structure according to claim 1, in which the flexible polyolefin is backbone comprises an ethylene/alkyl(meth)acrylate copolymer.

Claim 4 (previously presented): Structure according to claim 1, in which X is an unsaturated carboxylic acid anhydride.

Claim 5 (previously presented): Structure according to claim 1, in which the polyolefin backbone containing X is chosen from ethylene/maleic anhydride copolymers and ethylene/alkyl(meth)acrylate/maleic anhydride copolymers.

Claim 6 (previously presented): Tanks, containers, bottles, multilayer films and tubes formed from the structure according to claim 1.

Claim 7 (original): Tanks, containers, bottles, multilayer films and tubes according to Claim 6 in which the layer (2) of graft copolymers having polyamide blocks or the layer (3) forms the inner layer in contact with the stored or transported fluid.

Claim 8 (previously presented): Tubes for cooling circuits of internal combustion engines, formed from the structure according to Claim 1, in which the layer (2) of graft copolymers having polyamide blocks or the layer (3) forms the inner layer in contact with the transported fluid.

Claim 9 (original): Tanks, containers, bottles, films and tubes formed from the material based on a graft copolymer having polyamide blocks, consisting of a polyolefin backbone and at least one polyamide graft in which:

- the grafts are attached to the backbone by the residues of an unsaturated monomer (X) having a functional group capable of reacting with a polyamide having an amine end group;
- the residues of the unsaturated monomer (X) are attached to the backbone by grafting or copolymerization via its double bond.

Claim 10 (new): A multilayer structure according to Claim 1, comprising said tie layer (2a).

Claim 11 (new): A structure according to claim 1, comprising said tie layer (3a).

Claim 12 (new): A structure according to claim 10, further comprising a polyamide of a polyolefin layer (3) superposed on the layer (2) and a tie layer (3a) being placed between the layer (2) and layer (3).

Claim 13 (new): A structure according to claim 1, wherein the flexible polyolefin is a polyolefin homopolymer or copolymer.

Claim 14 (new): A structure according to claim 1, wherein X is an unsaturated epoxide, an unsaturated carboxylic acid anhydride, an aliphatic glycidyl ester, an aliphatic glycidyl ether, an alicyclic glycidyl ester or an alicyclic glycidyl ether.

Claim 15 (new): A structure according to claim 1, wherein the first layer (1) is formed from a polyamide (A)/polyolefin (B) blend having a polyamide matrix.

Claim 16 (new): A structure according to claim 1, wherein said first layer is formed from PA-6/12, PA-6/6,6, PA-6, PA-6,6, PA-11 or PA-12.

Claim 17 (new): A structure according to claim 10, wherein said tie layer comprises a functionalized polyolefin or a copolyamide.

Claim 18 (new): A structure according to claim 11, wherein said tie layer between the layer (2) and the layer (3) comprises a functionalized polyolefin or a copolyamide.

Claim 19 (new): A method comprising fabricating tanks, containers, bottles, multilayer films or tubes, comprising shaping the structure according to claim 2 such that the layer (3) forms the inner layer.

Claim 20 (new): A method of fabricating tubes for cooling circuits of internal combustion engines, comprising shaping the structure according to claim 2 such that the layer (2) comprises graft copolymers having amide blocks, and either said layer (2) or the layer (3) forms the inner layer of the tubes.